

Legislative Address of Educational Issues - 2022

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General Education Teacher

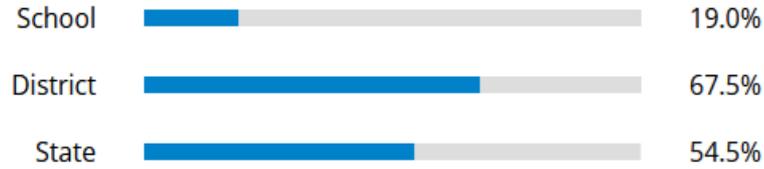
Crossroads Middle School

Idaho State Teacher of the Year 2022

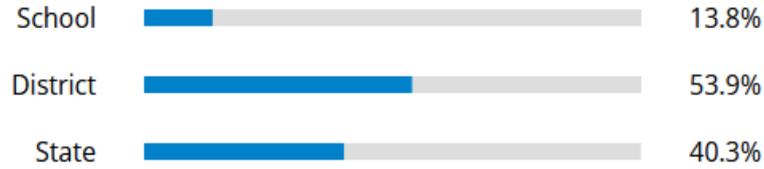
HOW DO STUDENTS IN THIS SCHOOL COMPARE?

IDAHO STANDARDS ACHIEVEMENT TEST - ISAT

ENGLISH LANGUAGE ARTS/LITERACY



MATHEMATICS



SCIENCE



Ranking	School	District	Composite Value 
241	Reagan Elementary	Nampa	<div><div style="width: 59%;">59</div></div>
242	Ririe Elementary/Middle	Ririe	<div><div style="width: 59%;">59</div></div>
243	West Canyon Elementary	Vallivue	<div><div style="width: 59%;">59</div></div>
244	Willow Creek Elementary	West Ada	<div><div style="width: 58%;">58</div></div>
245	Independence Alternative High	Blackfoot	<div><div style="width: 58%;">58</div></div>
246	Vallivue AcademyAlternative	Vallivue	<div><div style="width: 58%;">58</div></div>
247	Oakwood Elementary	Preston	<div><div style="width: 58%;">58</div></div>
248	Lewiston Senior High	Lewiston	<div><div style="width: 58%;">58</div></div>
249	Cynthia Mann Elementary	Boise	<div><div style="width: 58%;">58</div></div>
250	Lake Hazel Middle	West Ada	<div><div style="width: 58%;">58</div></div>

A tea kettle is placed over the hot burner of a stove. Minutes later, a cloud of steam is seen leaving the kettle through the open spout.

Your Task

In the questions that follow, you will use a model to explain why steam comes out of a tea kettle's spout.

Part A

A model of a boiling tea kettle is shown. The model has three different sections, labeled A, B, and C. Section A is the water in the tea kettle. Section B is the space in the tea kettle above the water. Section C is the steam coming out of the tea kettle's spout.

- For each section of the model, select the speed and density of the water molecules, based on their properties when thermal energy from the burner is applied.
- Then, click Start to see the results.
- You will receive credit for only one trial. If you need to change your selections, click on the trash can icon next to the row you would like to delete so that you can run another trial and generate new results.

Speed A

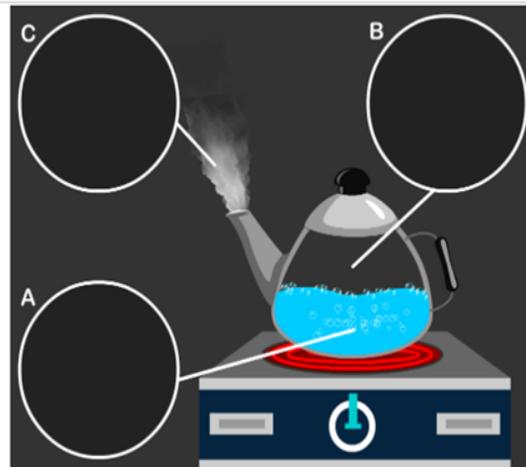
Density A

Speed B

Density B

Speed C

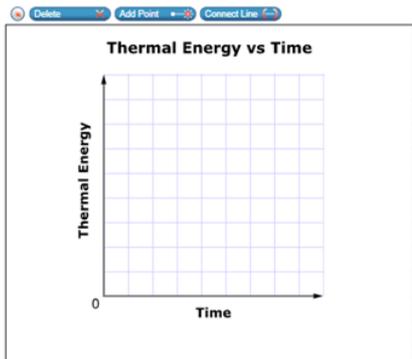
Density C



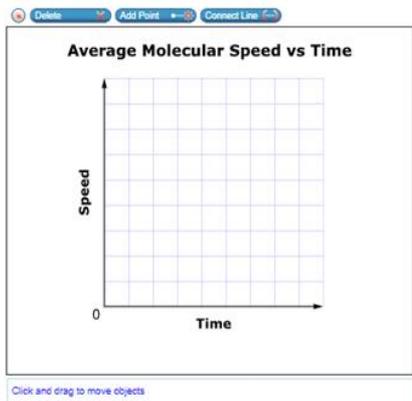
Speed A	Density A	Speed B	Density B	Speed C	Density C

Part B

Use the Connect Line tool to graph a line that shows how the thermal energy entering the system changes over time, as shown in the model. Begin the graph with the thermal energy of the water molecules when the tea kettle was first placed on the burner.

**Part C**

Use the Connect Line tool to graph a line that shows how the average speed of the water molecules in section B, which are in a gaseous state, might change over time. Begin the graph with the thermal energy of the water molecules when the tea kettle was first placed on the burner.

**Part D**

Select the boxes in the table to show the order in which the events occur to create the cloud of steam that rushes out of the tea kettle's spout.

The most important function of the roundhouse was to provide much-needed shelter and a place to rest. It went out of fashion by A.D. 1200, when rectangular dwellings became the norm. Ireland seems to have been the last area in Europe to use roundhouses.

The following question has two parts. First, answer part A. Then, answer part B.

Part A

Select the statement that **best** describes what the last paragraph reveals about the author's point of view.

- Ⓐ Roundhouses were fragile and primitive.
- Ⓑ Roundhouses were elegant and unique structures.
- Ⓒ Roundhouses were functional and essential dwellings.
- Ⓓ Roundhouses were modern and advanced structures for the time period.

Part B

Which sentence from the text **best** supports your answer in part A?

- Ⓐ “The most important function of the roundhouse was to provide much-needed shelter and a place to rest.”
- Ⓑ “It went out of fashion by A.D. 1200...”
- Ⓒ “...rectangular dwellings became the norm.”
- Ⓓ “Ireland seems to have been the last area in Europe to use roundhouses.”



Photo taken from <https://birminghamwatch.org/heres-what-kids-yearn-for-in-a-post-pandemic-world/kids-wishes-montage>